FRANC. ERN. BRUCKMANNI, MED. DOCT. ACAD. CÆSAR. NAT. CUR. ET SOC. REG. PRUSS. SCIENT. COLLEG. ET PRACTIC. WOLFENB. EPISTOLA ITINERARIA 1. [- 84.]...

Franz Ernst Bruckmann

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FRANC. ERNEST. BRVCKMANNI,
MED. DOCT.

EPISTOLA ITINERARIA XXXIII.

DE

OCYMASTRO FLORE VIRIDI PLENO

ET

MODO FLORES VIRIDI COLORE TINGENDI.

AD

VIRVM NOBILISSIMVM, CONSVLTISSIMVM ATQVE DOCTISSIMVM DOMINVM

DOMINVM

JOH. HIERON. KNIPHOF,

MED. DOCT. ACAD. CÆS. LEOPOLD. CAROL. NAT. CVR. COLLEG. PRACT. ERFVRT. CELEBERRIMVM ET BOTANICVM INCOMPARABILEM

(=)

CVM FIG. ÆNEIS.

WOLFFENBVTTELAE. MDCCXXXIV

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VIR NOBILISSIME ATQVE DOCTISSIME,

FAVTOR ET AMICE MAXIME COLENDE!

OBſervationem quandam Botanicam de *Oxymaſtro flore viridi pleno* anno 173[illegible] a nobis [illegible], cujus honoratiſſimi Domini Collectores Commercii literarii Norici, inſtituti admodum laudabilis, eodem anno p. [illegible] & Dom. Prof. Kohlius, Hamburgenſis, polyhiſtor celeberrimus, in ſe dictis Hamburgiſchen [illegible] von gelehrten Sachen Anni ſuperioris, Num. XXXVIII. XLIX. & LXXV. mentionem quoque benevolam fecerunt, ad ulteriorem inquiſitionem *Tecum, Vir Botanices fama celebrate*, [illegible] cum obſervantia communicamus. Rariores plantas, vegetabilium monſtra, aberrationes naturæ a ſolito & conſueto curſu in Regno vegetabili curioſas, mutationes florum & fructuum ſingulares, ratione magnitudinis, coloris & ſic porro Botanophili nunquam non accurate obſervarunt & annotarunt; hos [illegible] [illegible] annumeranda venit peculiaris illa coloris purpurei florum integræ plantæ in [illegible] viridem [illegible] obſervatio, quos flores oculis luſtrare non ſine animo hilariente [illegible] ab hinc annis nobis contigit, dum die & feſto Aſcenſionis Chriſti, anno

 173[illegible]

1735. delectationis ergo, amœniſſimum cultiſſimumque Principale viridarium Salzdahlenſe viſitaremus. Vocatur hæc planta Floræ cultoribus, nomine Botanicis recepto, *Ocymaſtrum*, quod ſequenti nota characteriſtica ab iisdem ſignatum, quod ſit nempe plantæ genus flore regulari pentapetalo, ſeminibus tectis capſula ſimplici, cujus ſequentes potiſſimum apud ipſos recenſentur ſpecies: 1. *Lychnis ſylveſtris alba ſimplex* C. B. Pinac. p. 204. quæ a Matthiolo, Geſnero, & Joh. Bauhino, Tabern. icon. 209. quoque *Ocimoides album, Baſilicum ſylveſtre, Ocimaſtrum Struthio ſimile, Viola alba Tragi* vocatur: 2. *Lychnis alba multiplex* C. B. l. c. p. 204. quæ Botanicis audit *Ocimoides album flore pleno, Ocymaſtrum multiflorum, Lychnis multiflora Anglica*. 3. *Lychnis ſylveſtris ſeu aquatica purpurea ſimplex* C. B. l. c. pag. 204. quæ & *Ocimoides purpureum, Ocymaſtrum rubrum, Melandryum Plinii germanum*, &c. vocatur. 4. Eadem 3. *flore pleno ſeu multiplici*, in hortis Floræ cultorum ſæpenumero occurrit, & hanc ſpeciem die aſcenſionis Christi in jam laudato viridario Salzdahlenſi, flore viridi pleno, eleganti, magno ſuperbientem obſervavimus. Integra planta, quæ æſtate præterita 1735 & antecedentibus annis flores purpureos plenos elegantiſſimos majores nunquam non emiſerat, hoc anno omnes ſuos flores viriditate eleganti conſpicuos admodum magnos, extremo florum margine obſcurioris quaſi brunni coloris, in appoſita figura videndos protruderat. Peritiſſimum rei herbariæ Floræque cultorem, inſpectoremque hujus principalis viridarii celeberrimi vigilantiſſimum Dom. Kniereel, interrogavimus, an ipſi forſan de cauſa quadam conſtet, quæ immutare potuiſſet ſolitum purpu-

reum

rerum hujus vegetabilis colorem in gratum oculis viri-diorem conſtaret, quæ vero ipſum plane habebat, cum planta jam aliquot annos [illegible], nec transplantata, ſibi relicta in terra illa, in qua ipſam videremus, poſita fuiſſet, quotannis quinque omni ætate ſuos purpureos protuliſſet flores; quales etiam in eadem plantæ ſpecie, e regione hujc poſita, non invenimus, quod ad colorem, ſed rubros purpureosque conſpicere licebat. Jam citatus Caſp. Bauhinus Pinac. Sect. I. Lib. VI. p. 204. *Lychnidem proliferam flore viridi*, quam & *Lychnidem agreſtem abortivam multiplici viridi flore*, Lobel. Icon. ſeu *Ocymaſtrum flore pleno viridi* Camep. Matth. vocat, adducit, quam, niſi prolifera fuiſſet, eandem plane cum noſtra judicaremus. Primulam veris interdum juxta ac violam matronalem in integra planta floribus viridibus in hortis Wolffenbüttelenſibus & aliis aliorum locorum obſervavimus; & amici relatione habemus, ſe vidiſſe hoc anno Ocymaſtrum flore ſimplici viridi. Forſan & alii [illegible] bilia non conſpectis naturalibus aliquando [illegible] & inveterum coloribus, cujus mutationis cauſam inquirendam Phyſicis acutiſſimis, cum externe plerumque cauſæ lateant, relinquimus. An forſan uſus præter modum humida, non ſufficientem humorum in tubulis & venis plantæ coctionem, immaturos crudos virides, pro foliis alias deſtinatos humores juſto citius in florum petala promiſerit? Botanicorum noſtri ævi coryphæus, Dom. Chriſt. Liſchwitz, Med. Doct. & Prof. Kilonienſis celeberrimus anno præterito [illegible] programma edidit, in quo varios naturæ luſus ac ſingulares quasdam plantarum anomalias, non ſine ſumma admiratione, annotavit, ſimulque docuit, ſe etiam

In [illegible] Lipſiæ [illegible] Viro [illegible] & Primulam [illegible] viridi [illegible] ſerviſſe, imo ſingulara addidit exempla, hoc naturæ [illegible] in Regno vegetabili vel in flore vel in fructu vel in flore & fructu ſimul vel etiam in modo fructificationis vel flore [illegible] fructum magnitudine exſuperante colore p. n. & [illegible] in alium heterogeneum degenerante, forma inconvenienti & [illegible] figura irregulari vel capſulis ſeminalibus &c. [illegible] piſſime accidere. Reverendiſſ. verbi divini miniſter [illegible] Sileſiæ Dom. Leonh. Dav. *Hermann* Theologus [illegible] bilis & ſpeculator [illegible] nullam laude majus, in Cogitationibus ſuis ſuper modo deſcripsit Ocymaſtrum in [illegible] metamorphoſin ſimiles in nonnullis plantis non raro obvias profitetur ſi modo [illegible] uſum [illegible] ſuis annotarent; addidit quoque locum quendam Tabernæmontani Lib. cap. III. pag. 673. fig. I. II. III. Edit. Baſil. [illegible] Hic autem deſcribit Ocymaſtrum multiflorum flore albo, rubro & viridi, interdum proliſero. Sed cum [illegible] ſtatus [illegible] du allegati ſatis manca & imperfecta ſit, cognoſcere non poſſumus an hocce vegetabile conſtanter ſingulis annis floribus [illegible] viridibus [illegible] Ocymaſtri conſtituat ſpeciem? vel an caſu quodam tantum, contra naturæ intentionem, tales interdum producat flores? Quod ad noſtram attinet plantam, anno præterito Menſe Majo quo [illegible] Salzdahlenſem [illegible] viſitavimus videmus non habe- [illegible] Ocymaſtrum illud naturalem [illegible] florem, ſed p. n. & morboſum forſan plane [illegible] gaudere. [illegible] [illegible] non vegetabile integrum quod ad [illegible] ſubſtantiam non multo tempore proxime antecedentes [illegible] [illegible], ſiccatum & [illegible] Sed & [illegible] [illegible] nulla amplius germina [illegible] protruſit, [illegible] [illegible] dubio procul lethali, non tantum laboravit, ſed & [illegible] Inquirendum hinc in poſterum reſtat an plan[illegible] [illegible] flores p. n. coloribus gaudentes [illegible] [illegible] & decedant? vel an, ſi [illegible] [illegible] eundem p. n. colorem [illegible]

[illegible]

[illegible] vel an naturalis & ſua natura [illegible] [illegible] colores? In dicto nostro vegetabili nihil amplius [illegible] erat. Cum, ut diximus, ſuperficies [illegible], quod ad totum habitum, jam extinctum fuerit. Hoc vero adhuc proponendum, quomodo perplures flores, quod ad [illegible], arte quadam facillimo modo mutentur, [illegible] [illegible] & quidam egregie cœruleſcentes, [illegible], [illegible] venuſte viridem, qualem vix unquam oculis [illegible] [illegible], acquirunt. Receperunt namque [illegible] [illegible], Kraſtor dictt, folia [illegible] hunc [illegible] [illegible], ſive accenſo [illegible] fumum ex fiſtula ad flores [illegible] vel rubri petala, v. g. ad Ocymaſtrum flore ſimplici vel pleno purpureo, Thlaſpi umbelliferum Creticum [illegible] foliis, flore purpureo [illegible], &c. [illegible] [illegible], ſic [illegible], non ſine peculiari admiratione, colorem rubrum & egregium florum purpureum in colorem optime viridis [illegible] [illegible] videmus. Quod quoque experimentum in quibusdam [illegible] [illegible], nempe Gentianæ & Gentianellæ [illegible], inprimis Gentianæ paluſtris vel Gentianellæ [illegible] [illegible] folio, quæ inter [illegible] in [illegible] [illegible] fuerit, uti & Convolvuli peregrini [illegible], folio oblongo, flore [illegible] [illegible] colore [illegible] [illegible], Campanulæ [illegible], &c. æque feliciter [illegible]. Experimentum [illegible] & ad [illegible], [illegible], Prunellam, pluresque alias plantarum flores [illegible] [illegible] [illegible] [illegible] applicandum, quod [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible], hujus phænomeni [illegible] [illegible]. Nec [illegible] [illegible], flores [illegible] [illegible] ſuper ſulphur accenſum poſitos non eandem pati metamorphoſin. Campanulæ cœruleæ non procul a formicarum acervo [illegible], ab [illegible] [illegible] colorem mutant & viridiſſimum [illegible]. Vapores & halitus penetrantes fortiores ejusdem [illegible] [illegible] vel ſpiritus ſalis Ammoniaci quando nempe flores purpurei & rubri in [illegible] [illegible], dicto ſpiritu [illegible], [illegible], [illegible], [illegible] [illegible], [illegible] [illegible] [illegible]

colorem

viridem derepente commutant, quæ metamorphoſis in plan-
tula ſimpliſſ. allegato Convolvulo, qui flores inter cæteros
gratiſſimum certe præ [illegible] nobis peculiarem ſui in-
ſpect admirationem [illegible] quam gratus antea oculo noſtro cæ-
ruleus fuerat florum color, [illegible] ſuavis poſtea blandiebatur ei vi-
ridem [illegible] mutatus. Ut flores plantarum novos ſæpe in-
duant colores inquit Olaus Borrichius, chemicorum ſui ævi
princeps, polyhiſtor [illegible] & ornamentum Se-
ptentrionis eruditi, in Diſſertationibus academicis p. 44. quod
ſi enim ſeminibus terræ convenienti mandatis affundatur [illegible]
vel Santali rubeſcentis vel Coccionellæ tinctura, florum pro-
pago in rubedinem terminabitur; ſi æruginis in viriditatem deſi-
net; ſi Indigo in cæruleum declinabit, non quidem affuſis li-
quoris quaquaverſum, ſed aliquoties irrorando. Experimentum
in cum æruginis tinctura in aliquot plantarum ſeminibus primo
hujus anni vere ſecimus, ſed vel ſemina plantata planæ nihil
protulerunt germina a ſale acido [illegible] æris hujus certe vi-
ridis corroſa forſan & ſuffocata, vel germina [illegible] e
terræ gremio enata [illegible] ſiccata & demortua ſunt. Plura
adhuc inſtituenda forent experimenta, [illegible] temporis anguſtiis
circumſcriberemur, hoc ſaltem pro nunc notandum. Non o-
mnes & ſingulos flores colores purpureos & cæruleos, nomi-
natim illos, qui conſtante quodam colore a natura inſiti ſunt,
teſte propria experientia, hanc admittere metamorphoſin &
colorem in viridem transmutationem.

Vale & [illegible] Tui Brückmannum & omnia ſibi
[illegible] amare perge. Vale [illegible] & [illegible]
feliciter Wolffenb. 1. Sept. 1734.

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Ad Ep St XXXIII

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